



Technical Specifications

Product Line: 18-4C-FPLP

Description

4 conductor 18 AWG solid, twisted, and shielded cable
NEC type FPLP. Product manufactured compliant to the requirements of UL1424 for installations and applications in accordance with NEC article 760.

Conductor

18 AWG
Solid annealed bare copper conductors
Diameter: 0.0403" | 1.024mm

Electrical

DC resistance: 6.2 Ω / 1000' | 20.33 Ω /KM
Mutual capacitance: 32.2 pF/FT | 105.7 pF/M
Impedance: 64 Ω
Inductance: 0.15 μ H/FT | 0.49 μ H/M
Velocity of Propagation: 55%
Voltage rating: 300V
Maximum current: 3.0A@25°C

Insulation

Plenum rated polyvinyl chloride
Wall thickness: 0.010" | 0.25mm
Diameter: 0.060" | 1.53mm

Regulatory

NEC: FPLP 75°C
CEC: FPLP FT6 75°C
EU RoHS 2002/95/EC Compliant

Color Code

Black, Red, Brown, Blue

Packages

Reel: 1000' | 305M
Weight: 32 Lbs/1000' | 48 Kg/KM

Assembly

4 conductors twisted
Lay length: 3.0" | 80mm
4.0 twists per foot | 12.5 twists per meter

Installation

Pull Tension: 52 Lbs | 232 N
Bend radius: 1.75" | 45mm unloaded
Bend radius: 3.50" | 90mm loaded
Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32°F | 0°C ambient temperature

Construct

Ripcord under jacket

Applications

Plenum fire alarm, signalling and safety circuits

Shield

N/A

Performance

N/A

Jacket

Plenum rated polyvinyl chloride
Colors: Red
Wall thickness: 0.015" | 0.38mm
Diameter: 0.175" | 4.45mm

Final Outside Diameter (inches)

0.175

Specification Revision Date:

June 15, 2005

